

Figure 1

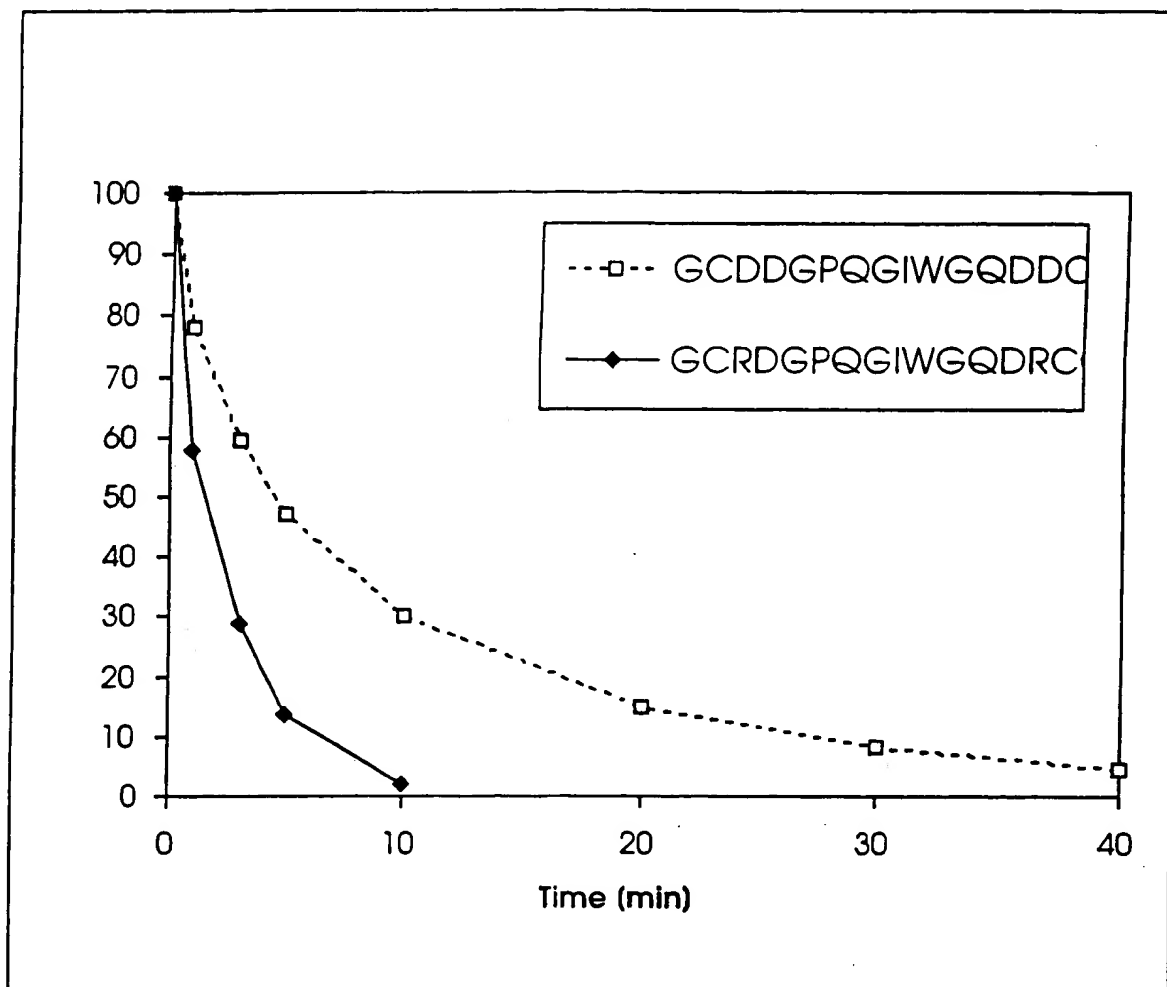
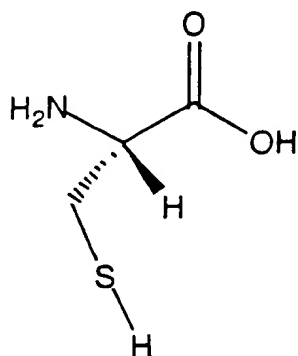


Figure 2

PEG diacrylate

+



Cysteine  
buffered water

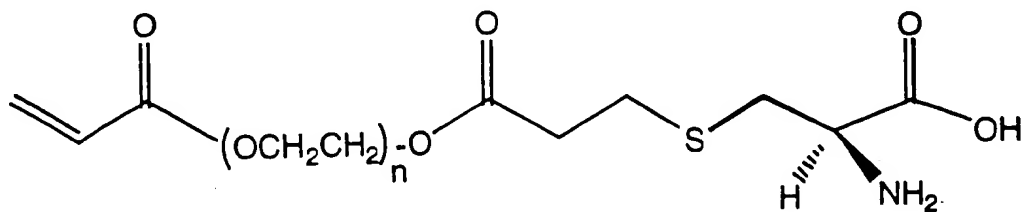


Figure 3

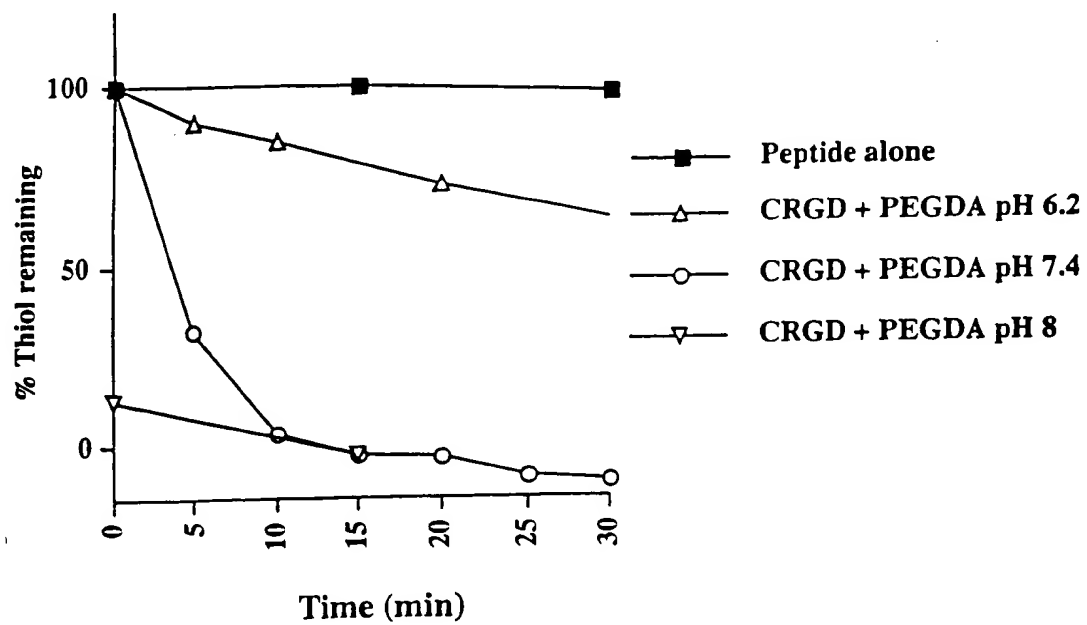


Figure 4

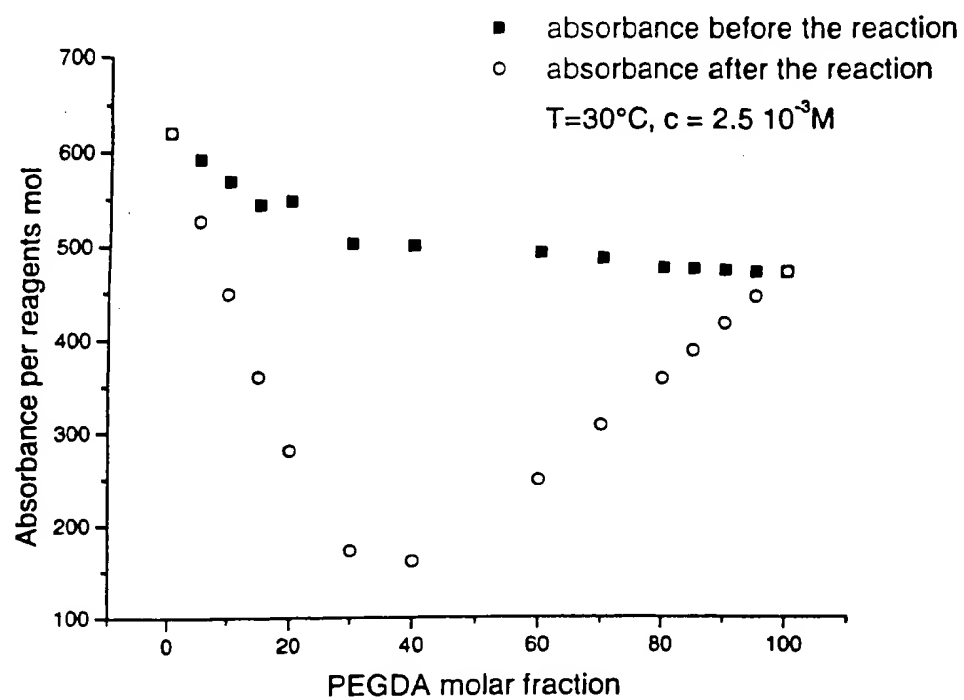


Figure 5

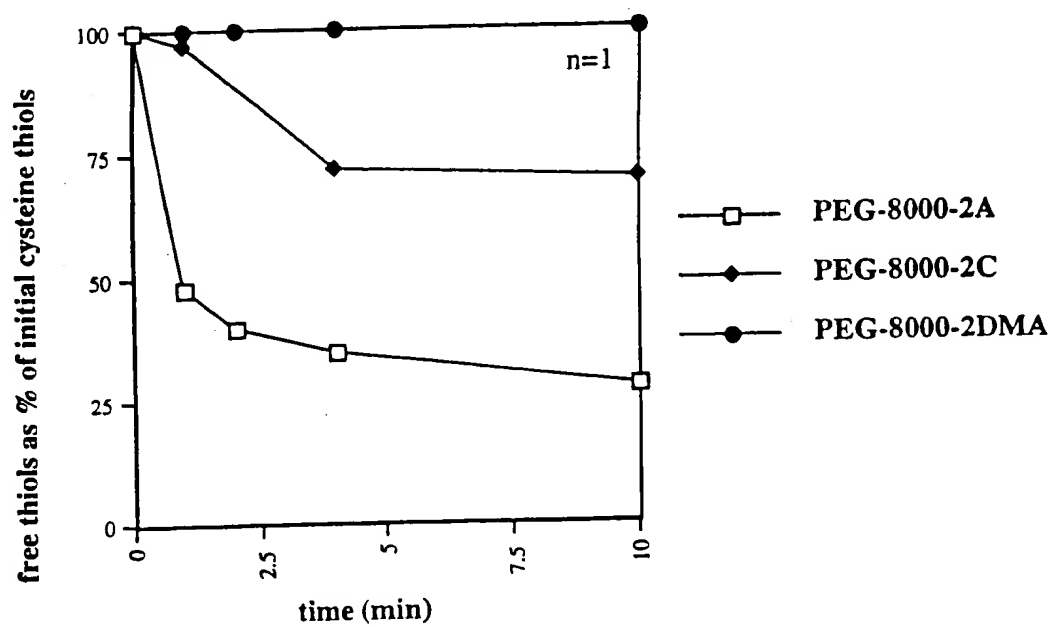


Figure 6

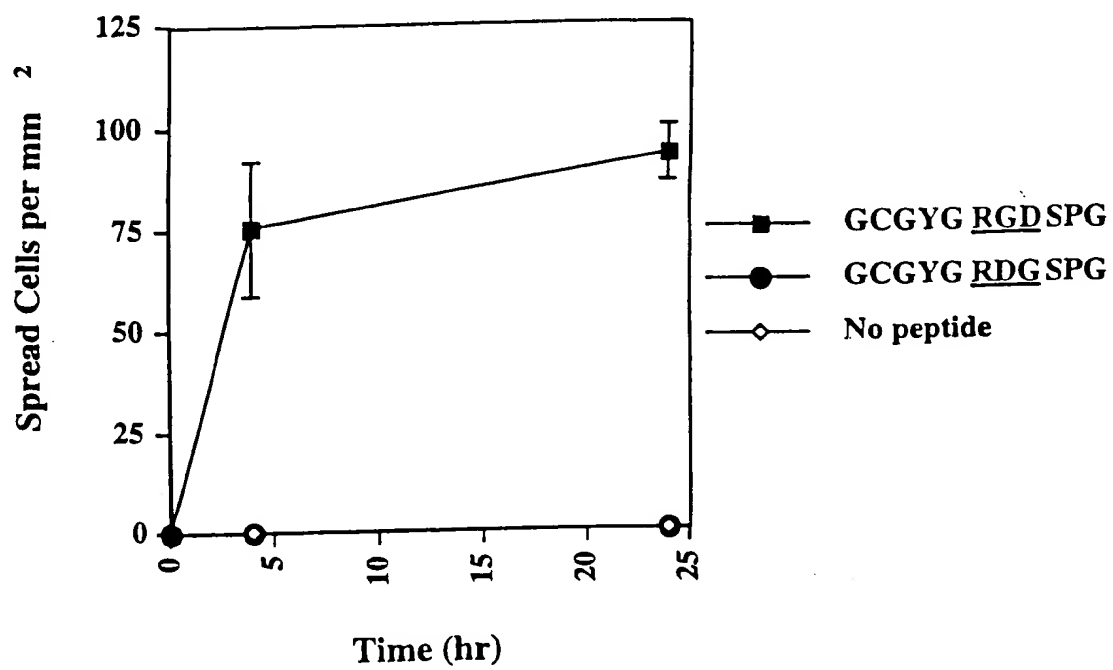


Figure 7

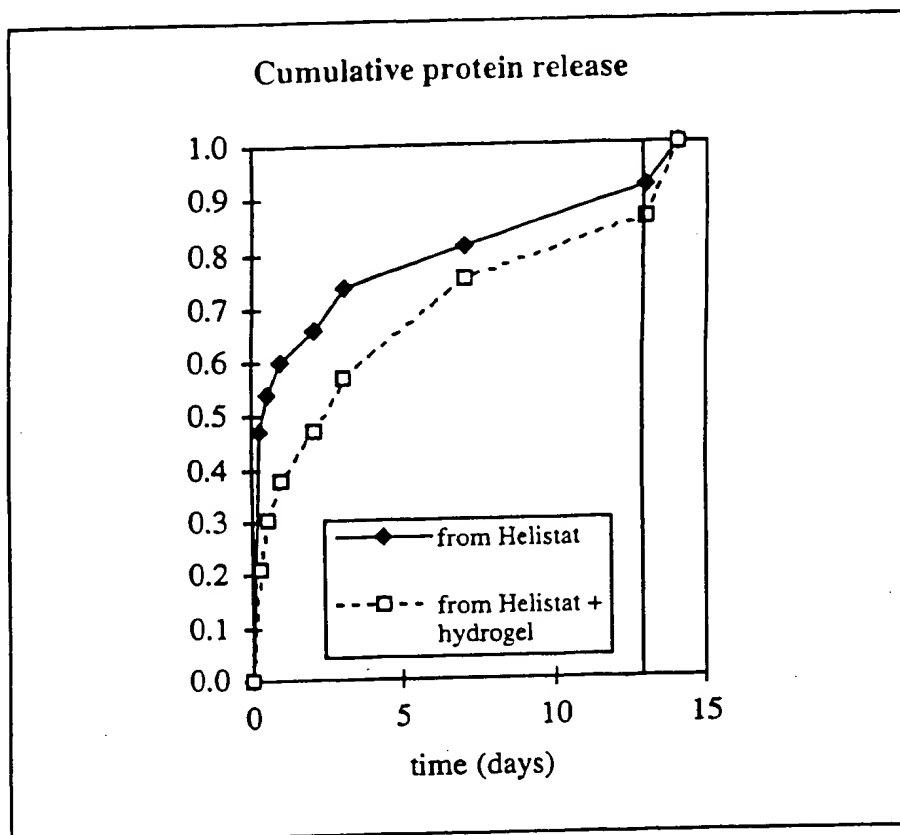


Figure 8

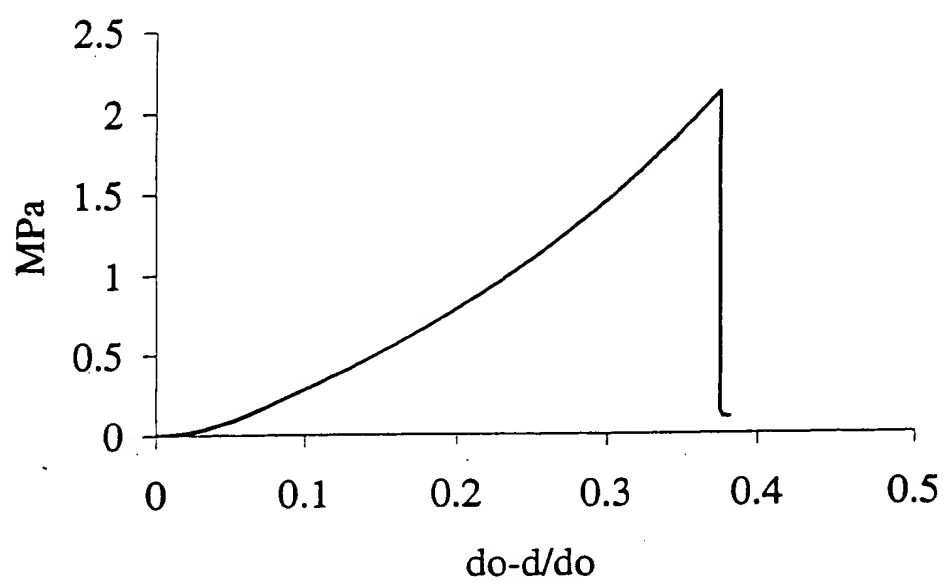




Figure 9

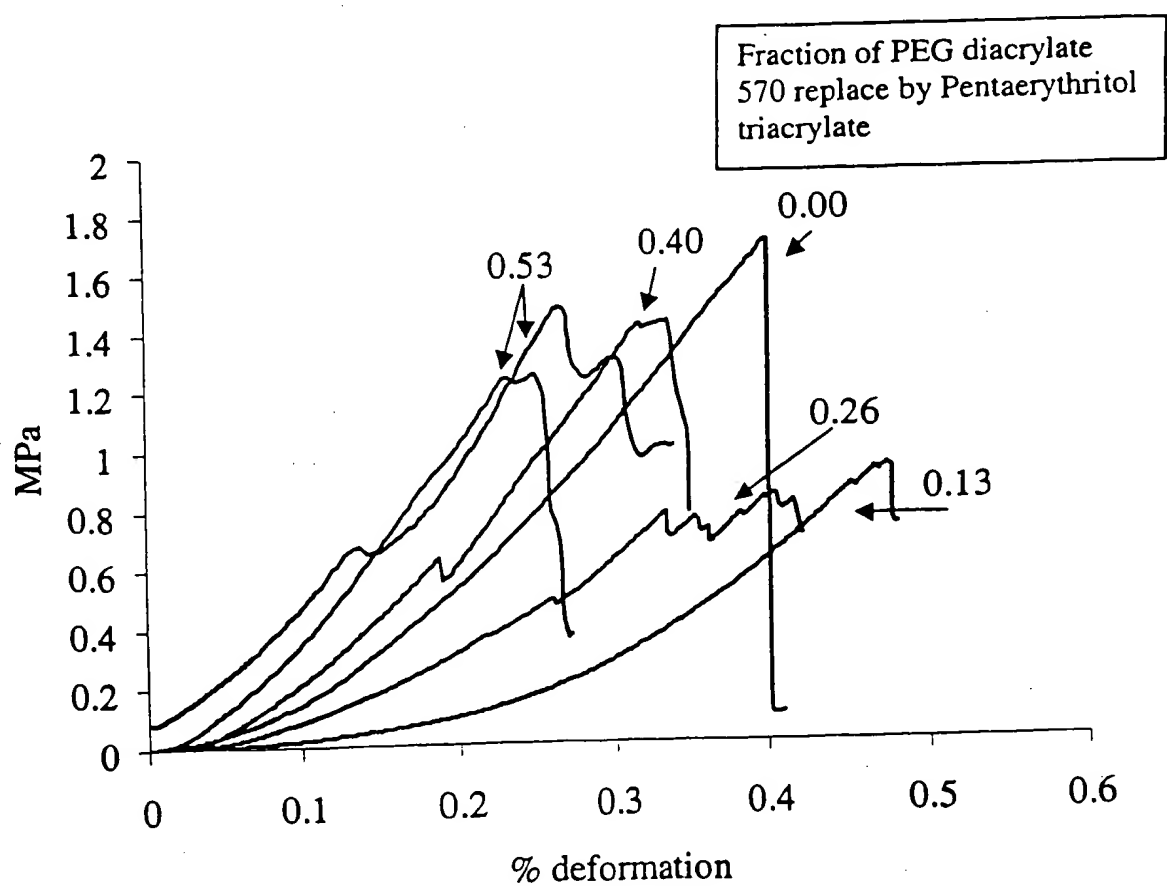


Figure 10

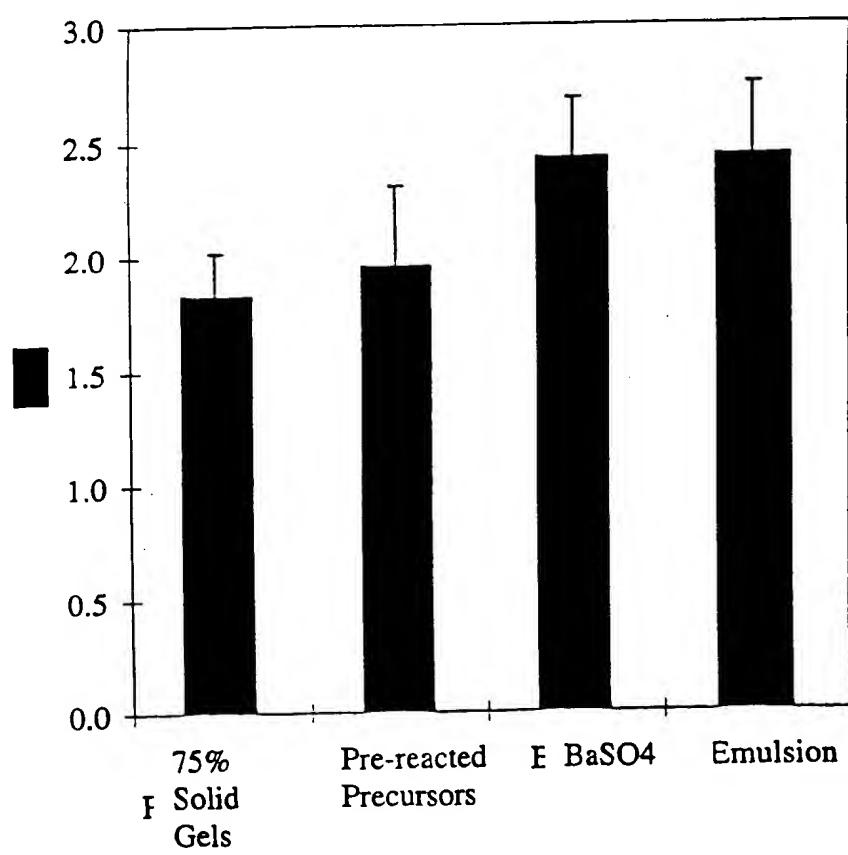


Figure 11

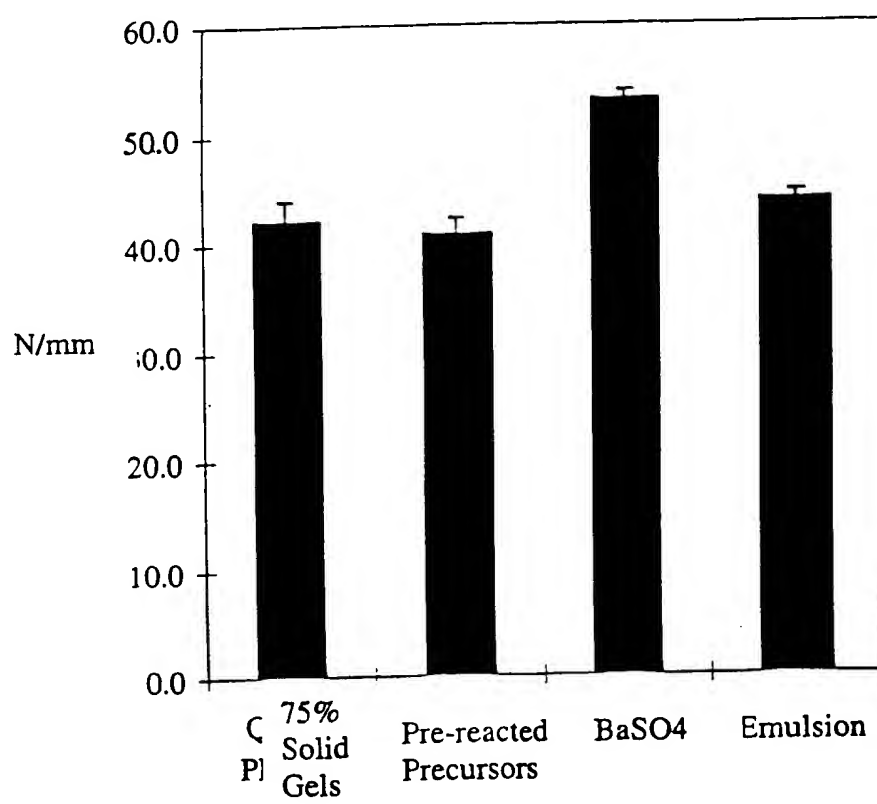


Figure 12

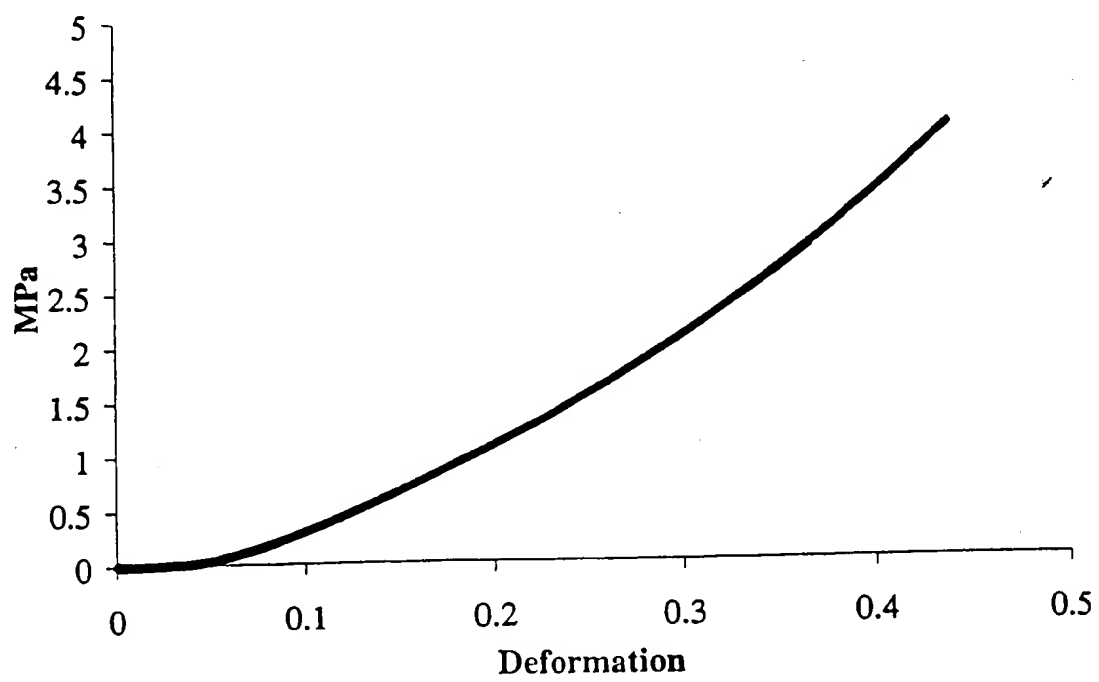


Figure 13

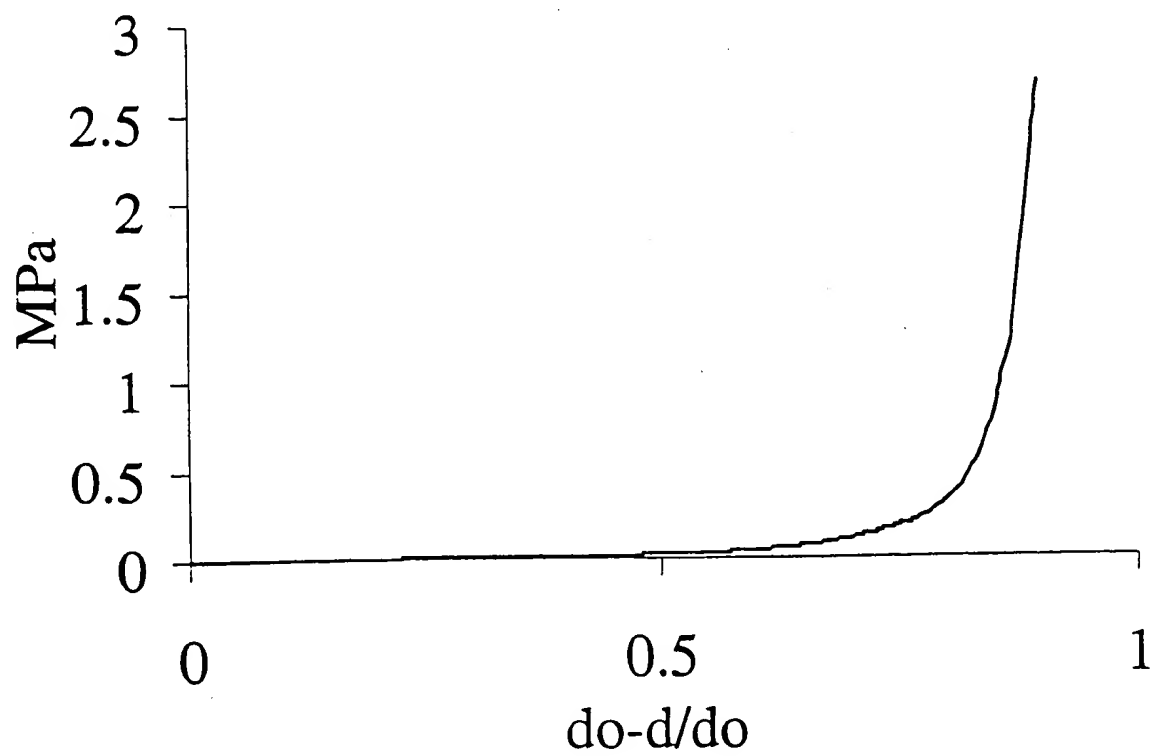
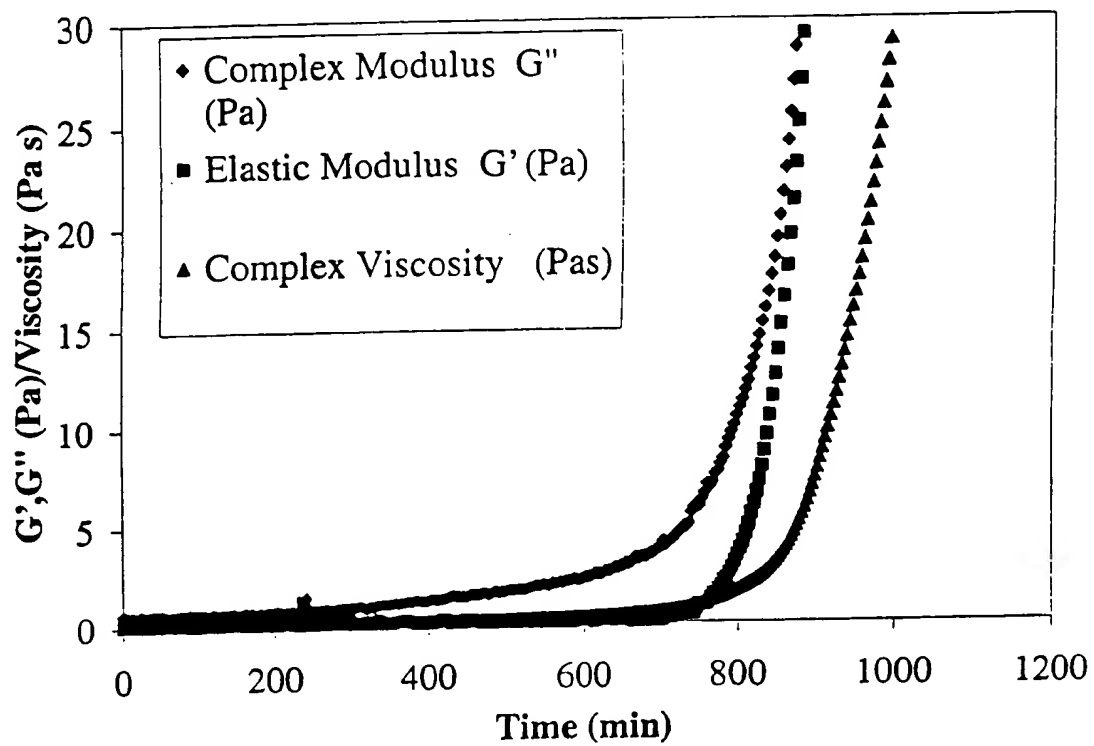


Figure 14



PEG diacrylate 570 mixture as a function of time

Figure 15

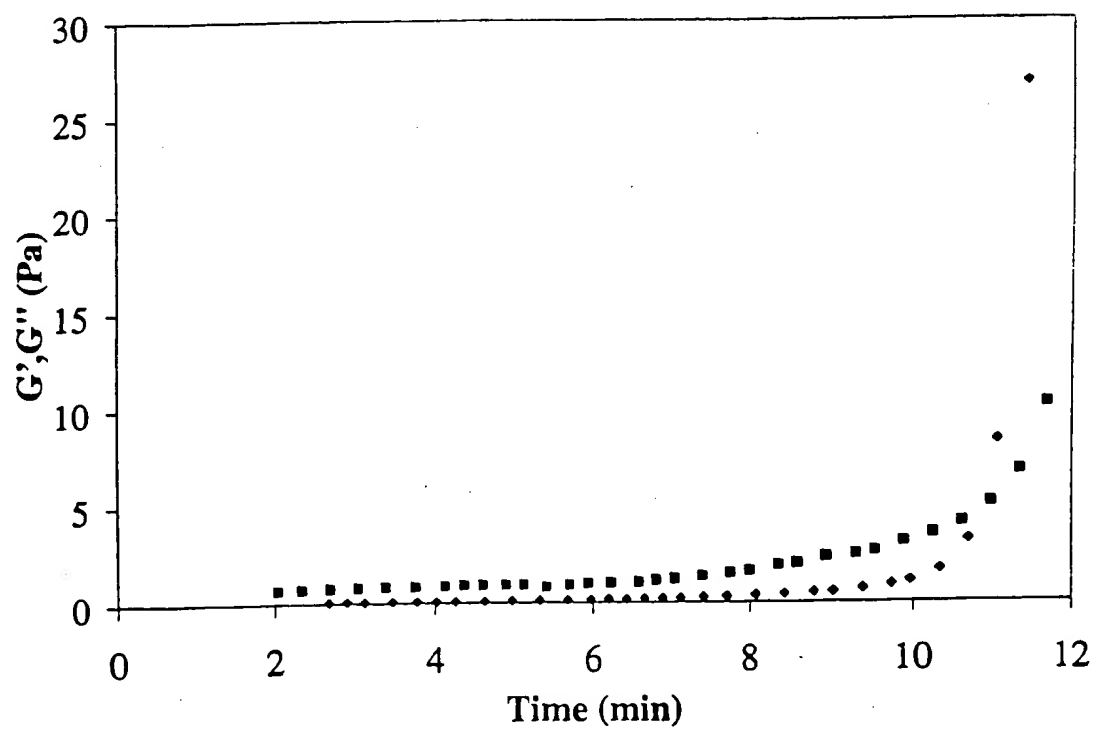
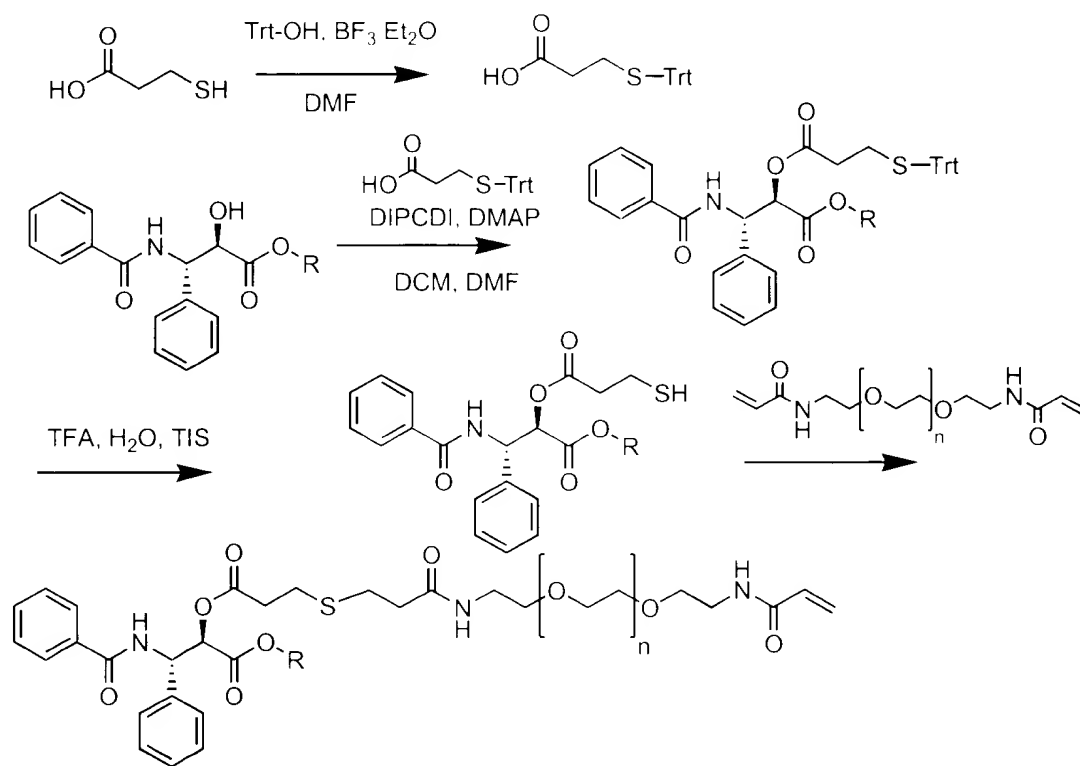


Figure 16

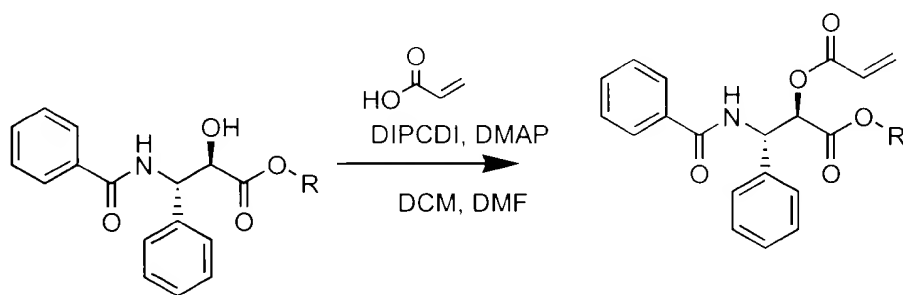


$\text{R} = \text{Me}$  for methyl ester of paclitaxel side chain

$\text{R} = 5\text{-}\beta, 20\text{-epoxy-}1, 2\text{-}\alpha, 4, 7\text{-}\beta, 10\text{-}\beta, 13\text{-}\alpha\text{-hexahydroxy-tax-}11\text{-en-}9\text{-one}$   
 $4, 10\text{-diacetate } 2\text{-benzoate}$  for paclitaxel



Figure 17



R= Me for methyl ester of paclitaxel side chain

R= 5-beta,20-epoxy-1,2-alpha,4,7-beta,10-beta,13-alpha-hexahydroxy-tax-11-en-9-one  
4,10-diacetate 2-benzoate for paclitaxel